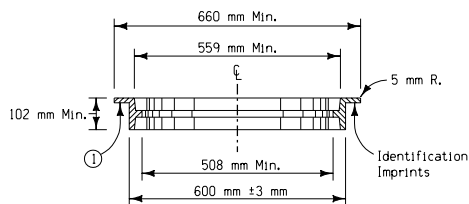
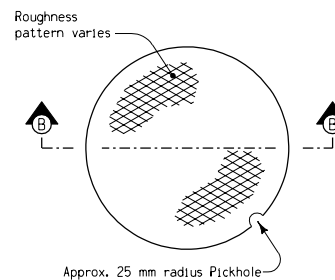


PLAN OF FRAME

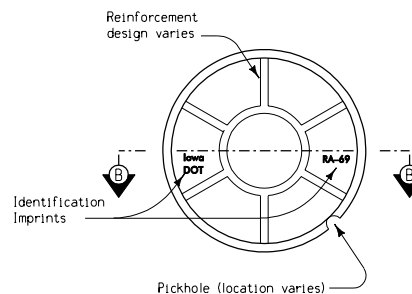


SECTION A-A

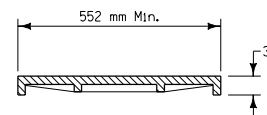
FRAME DETAILS



PLAN OF COVER TOP



PLAN OF COVER BOTTOM



SECTION B-B

COVER DETAILS

#### GENERAL NOTES:

All castings shall be Class 30 or better gray iron complying with current Standard and Supplemental Specifications. Finish of castings shall be smooth and free of defects. Painting of castings is not required; however, if used, paint shall be evenly applied and neither sticky nor brittle when dry.

An identification imprint "Iowa DOT RA-69" shall be placed on each frame and cover. The manufacturer may also imprint marks or trade names on the casting.

When specified as part of the detail project plans, the RA-69 frame and cover will be required to be furnished with an approved locking device.

Unless specified otherwise, utility access covers shall not be paid for separately but shall be considered incidental to other work.

Machine bearing surfaces, if needed, to properly seat lid to frame.

① Flange thickness 16 millimeters minimum.

Minimum Mass (Frame + Cover) = 66 kg

For use with RM-42 Precast Concrete Handhole

All dimensions given in millimeters unless noted.

METRIC VERSION	M	Iowa Department of Transportation Project Development Division	
		<b>STANDARD ROAD PLAN</b>	<b>RA-69</b>
		REVISION: New	REVISION NO. New
		APPROVED BY: <i>[Signature]</i> 12-28-98 DESIGN METHODS ENGINEER	REVISION DATE 04-27-99
		CAST UTILITY ACCESS COVER (Small)	